

2:08PM

APPLIED BIOSYSTEMS LEGAL2

NO. 2752 P. 3

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted With Initial Filing

OR

☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(c)) required)

Attorney Docket Number **ABIOS.037A**First Named Inventor **Thomas E. Birkett****COMPLETE IF KNOWN**Application Number **10/650,470**Filing Date **August 28, 2003**

Art Unit

Examiner Name **Unknown**

As the below named Inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**AUTO-ANALYSIS FRAMEWORK FOR SEQUENCE EVALUATION**

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ Was filed on August 28, 2003 as United States Application Number 10/650,470.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 5]

**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. keep-2072

PTO/SB/01 (10-00)

Please type a plus sign (+) inside this box: ➔ ☒

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION - Utility or Design Patent Application**

Direct all correspondence to:



Practitioners at Customer Number

20,995

**OR**

Correspondence address below:

Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued hereon.

**NAME OF SOLE OR FIRST INVENTOR:**

A petition has been filed for this unsigned inventor.

Given Name

Thomas E.

Family Name

Birkett

(first and middle (if any))

Or Surname

Inventor's  
Signature

Date: Nov 2, 2003

Residence: City

Stockton

State

CA

Country

USA

Citizenship

USA

Mailing Address

465 South Tuxedo Avenue

City

Stockton

State

CA

Zip

95204

Country

USA

**NAME OF SECOND INVENTOR:**

A petition has been filed for this unsigned inventor.

Given Name

Puneet

Family Name

Suri

(first and middle (if any))

Or Surname

Inventor's  
Signature

Date: 11/25/03

Residence: City

Foster City Redwood City

State

CA

Country

USA

Citizenship

India

Mailing Address

13 East Court Lane 95 Waterside Circle

95 11/25/03

City

Foster City Redwood City

State

CA

Zip

94404 94065

Country

USA

Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) PTO/SB02A attached hereto.

[Page 2 of 5]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. ksp-2072

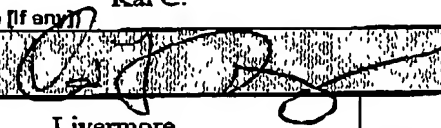
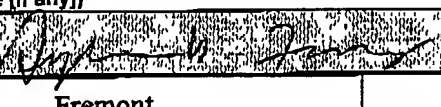
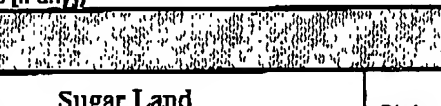
PTO/SB/02A (10-01)

Please type a plus sign (+) inside this box → [ + ]

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet Page <u>3</u> of <u>5</u> .
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle (if any)) Kai C.		Family Name Or Surname Yung	
Inventor's Signature 		Date 11/21/03	
Residence: City Livermore	State CA	Country USA	Citizenship USA
Mailing Address 189 Cameo Drive			
Mailing Address			
City Livermore	State CA	Zip 94550	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle (if any)) Sylvia H.		Family Name Or Surname Fang	
Inventor's Signature 		Date 11/21/2003	
Residence: City Fremont	State CA	Country USA	Citizenship Taiwan
Mailing Address 923 Oranda Terrace			
Mailing Address			
City Fremont	State CA	Zip 94536	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle (if any)) Salil		Family Name Or Surname Kumar	
Inventor's Signature 		Date	
Residence: City Sugar Land	State TX	Country USA	Citizenship India
Mailing Address 2222 Settlers Way #933			
Mailing Address			
City Sugar Land	State TX	Zip 77478	Country USA

[Page 3 of 5]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. kep-2072

FTO/SB/02A (10-01)

Please type a plus sign (+) inside this box → ☐Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION****ADDITIONAL INVENTOR(S)**

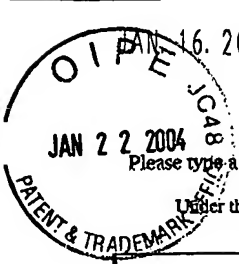
Supplemental Sheet

Page 3 of 5

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle [if any]) Kai C.		Family Name Or Surname Yung	
Inventor's Signature		Date	
Residence: City Livermore	State CA	Country USA	Citizenship USA
Mailing Address 189 Cameo Drive			
Mailing Address			
City Livermore	State CA	Zip 94550	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle [if any]) Sylvia H.		Family Name Or Surname Fang	
Inventor's Signature		Date	
Residence: City Fremont	State CA	Country USA	Citizenship Taiwan
Mailing Address 923 Oranda Terrace			
Mailing Address			
City Fremont	State CA	Zip 94536	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
Given Name (first and middle [if any]) Salil		Family Name Or Surname Kumar	
Inventor's Signature		Date	
Residence: City Sugar Land	State TX	Country USA	Citizenship India
Mailing Address 2222 Settlers Way #933			
Mailing Address			
City Sugar Land	State TX	Zip 77478	Country USA

[Page 3 of 5]

Burdick Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. kep-2072



JAN 16, 2004 2:08PM

APPLIED BIOSYSTEMS LEGAL2

NO. 2752 P. 7

PTO/SB/02A (10-01)

Please type a plus sign (+) inside this box → ☒

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>4</u> of <u>5</u>
--------------------	---

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
<b>Given Name (first and middle [if any])</b> Benjamin B.		<b>Family Name Or Surname</b> Jones	
<b>Inventor's Signature</b> <i>Benjamin Jones</i>		<b>Date</b> 1/25/2003	
<b>Residence: City</b> San Ramon	<b>State</b> CA	<b>Country</b> USA	<b>Citizenship</b> USA
<b>Mailing Address</b> 3224 Estero Drive			
<b>Mailing Address</b>			
<b>City</b> San Ramon	<b>State</b> CA	<b>Zip</b> 94583	<b>Country</b> USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
<b>Given Name (first and middle [if any])</b> Jon M.		<b>Family Name Or Surname</b> Sorenson	
<b>Inventor's Signature</b> <i>Jon M. Sorenson</i>		<b>Date</b> 1/12/03	
<b>Residence: City</b> Oakland	<b>State</b> CA	<b>Country</b> USA	<b>Citizenship</b> USA
<b>Mailing Address</b> <del>473 Jean Street, #203</del> 801 Middlefield Rd #12, CA 11/12/03			
<b>Mailing Address</b>			
<b>City</b> <del>Oakland</del> Palo Alto	<b>State</b> CA	<b>Zip</b> <del>94610</del> 94301	<b>Country</b> USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
<b>Given Name (first and middle [if any])</b> Yuandan		<b>Family Name Or Surname</b> Lou	
<b>Inventor's Signature</b> <i>Yuandan Lou</i>		<b>Date</b> 11/13/03	
<b>Residence: City</b> Cupertino	<b>State</b> CA	<b>Country</b> USA	<b>Citizenship</b> China
<b>Mailing Address</b> 10210 Vicksburg Court			
<b>Mailing Address</b>			
<b>City</b> Cupertino	<b>State</b> CA	<b>Zip</b> 95014	<b>Country</b> USA

[Page 4 of 5]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. kep-2072

Received 16-01-2004 01:59pm

From-650 638 6677

To-KNOBBE MARTENS OLSON

Page 007

PTO/SB/02A (10-01)

Please type a plus sign (+) inside this box → ☐Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>5</u> of <u>5</u>
--------------------	---

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
<b>Given Name</b> (first and middle (if any)) Catherine E.		<b>Family Name</b> Or Surname Frantz	
<b>Inventor's Signature</b> <i>Catherine E. Frantz</i>		<b>Date</b> 11/13/2003	
<b>Residence: City</b> Los Altos Hills	<b>State</b> CA	<b>Country</b> USA	<b>Citizenship</b> USA
<b>Mailing Address</b> 13320 Wildcrest Drive			
<b>Mailing Address</b>			
<b>City</b> Los Altos Hills	<b>State</b> CA	<b>Zip</b> 94022	<b>Country</b> USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
<b>Given Name</b> (first and middle (if any))		<b>Family Name</b> Or Surname	
<b>Inventor's Signature</b>		<b>Date</b>	
<b>Residence: City</b>	<b>State</b>	<b>Country</b>	<b>Citizenship</b>
<b>Mailing Address</b>			
<b>Mailing Address</b>			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Country</b>
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.	
<b>Given Name</b> (first and middle (if any))		<b>Family Name</b> Or Surname	
<b>Inventor's Signature</b>		<b>Date</b>	
<b>Residence: City</b>	<b>State</b>	<b>Country</b>	<b>Citizenship</b>
<b>Mailing Address</b>			
<b>Mailing Address</b>			
<b>City</b>	<b>State</b>	<b>Zip</b>	<b>Country</b>

R:\DOCS\KEP\KEP-2072.DOC:lw  
102203

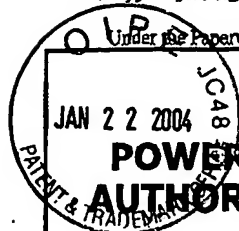
[Page 5 of 5]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

kep-2072

Please type a plus sign (+) inside this box → ☒Approved for use through 10/31/2002. OMB 0651-0035  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	10/650,470
Filing Date	August 28, 2003
First Named Inventor	Thomas E. Birkett
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	ABIOS.037A

I hereby appoint:



Practitioners at Customer Number

20,995

**OR**

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

PI use change the correspondence address for the above-identified application to:



The above-mentioned Customer Number.

**OR**Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

I am the:



Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Jeffery D. Frazier, Senior Patent Attorney  
Reg. No. 34,601

Date

January 16, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.\*



\* Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.62768\_1

Please type a plus sign (+) inside this box → ☒Approved for use through 10/31/2002. OMB 0651-0035  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

JAN 22 2004

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Thomas E. Birkett, Puneet Suri, Kai C. Yung, Sylvia H. Fang, Salil Kumar,  
Benjamin B. Jones, Jon M. Sorenson, Yuandan Lou, and Catherine E. FranzApplication No./Patent No.: 10/650,470Filed/Issue Date: August 28, 2003Entitled: AUTO-ANALYSIS FRAMEWORK FOR SEQUENCE EVALUATIONApplera Corporation

(Name of Assignee)

, a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

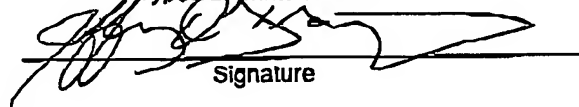
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

January 16, 2004

Date

Jeffery D. Frazier

Typed or printed name



Signature

Senior Patent Attorney

Title

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.62768\_1



**LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE  
REGARDING CERTAIN PATENT AND TRADEMARK MATTERS EFFECTIVE  
THROUGH: December 31, 2005**

\*\*\*\*\*

I, Paul D. Grossman, as Assistant Secretary of Applera Corporation ("Applera"), hereby authorize: Vincent M. Powers, Reg. No. 36, 246, Scott R. Bortner, Reg. No. 34,298, Jeffery D. Frazier, Reg. No. 34,601, and Andrew T. Karnakis, Reg. No. 27,909, all Senior Patent Attorneys, (1) to act on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark entities, (2) to execute power of attorney documents on behalf of Applera, to appoint and/ or establish any attorneys, agents, and/ or law firms to act on behalf of Applera, in any foreign or international patent or trademark applications filed with any foreign and/ or international patent or trademark offices, and (3) to execute assignment and ownership documents on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark offices.



Paul D. Grossman  
Assistant Secretary, Applera Corporation

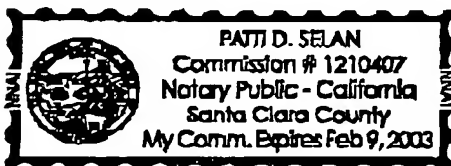
1-9-03

Date

State of California     )  
                                      ) ss.  
County of San Mateo    )

On Jan. 9, 2003 before me, Patti D. Selan, Notary Public, personally appeared Paul D. Grossman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by his/~~her~~/~~their~~ signature on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.




Notary Public

34381\_1.DOC

Case No. ABIOS.037A

## ASSIGNMENT

For good and valuable consideration paid to us, receipt of which is hereby acknowledged, we each:  
 Thomas E. Birkett, a citizen of the United States of America, residing at 465 South Tuxedo Avenue, Stockton, CA 95204; Puneet Suri, a citizen of India, residing at 13 East Court Lane, Foster City, CA 94404; Kai C. Yung, a citizen of the United States of America, residing at 189 Cameo Drive, Livermore, CA 94550; Sylvia H. Fang, a citizen of Taiwan, residing at 923 Orinda Terrace, Fremont, CA 94536; Salil Kumar, a citizen of India, residing at 2222 Settlers Way #933, Sugar Land, TX 77478; Benjamin B. Jones, a citizen of the United States of America, residing at 3224 Estero Drive, San Ramon, CA 94583; Jon M. Sorenson, a citizen of the United States of America, residing at 473 Jean Street, #203, Oakland, CA 94610; Yuandan Lou, a citizen of China, residing at 10210 Vicksburg Court, Cupertino, CA 95014; and Catherine E. Frantz, a citizen of the United States of America, residing at 13320 Wildcrest Drive, Los Altos Hills, CA 94022 do hereby sell, assign, and set over unto

## Applera Corporation

a Delaware corporation having a place of business at 850 Lincoln Centre Drive, Foster City, California (hereinafter "Assignee"), its successors, legal representatives and assigns, each of our entire right, title, and interest in and to any and all of our inventions and discoveries entitled:

## AUTO-ANALYSIS FRAMEWORK FOR SEQUENCE EVALUATION

as described and/or claimed in our United States patent application, having an oath or declaration fully executed by us and, subsequently assigned Serial Number 10/650,470 and filing date of August 28, 2003 by the United States Patent and Trademark Office; in and to the right to file patent applications in the name of Assignee, its designee, in all of our names, or in any other name or names, on the aforesaid inventions and discoveries in any or all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified United States patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and under any other international arrangement to which the United States now is or hereafter becomes a signatory; in and to any and all applications for Letters Patent, and any and all Letters Patent that issue on any of the aforesaid applications, and in and to any and all divisions, continuations, and continuations-in-part of any and all of said applications, and any and all reissues, renewals and extensions of any of said Letters Patent, such that the same right, title and interest to be held and enjoyed by Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, shall be as full and complete as that that would have been held and enjoyed by us if this assignment and sale had not been made.

We further hereby covenant and agree, for the same consideration, whenever counsel of Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with said invention, or said application for Letters Patent, including interference proceedings, is lawful and desirable, or that any division, continuation, or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable to sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

-1-

kep-2073

**Case No. ABIOS.037A**

We hereby authorize Assignee to insert in this instrument the serial number and filing date of said application when officially notified thereof.

**COPY  
- DO NOT RECORD -**

**COPY  
- DO NOT RECORD -**

-2-

kcp-2073

Case No. ABIOS.037A

Name of inventor: Thomas E. Birkett

Inventor's signature

Thomas E. Birkett

Date:

Nov. 6, 2003

COPY

State of California )

) ss.

County of San Mateo )

- DO NOT RECORD -

On November 6, 2003 before me, Cheryl R. Gomez, Notary Public, personally appeared Thomas E. Birkett, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(~~ies~~), and that by his/~~her~~/their signature on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

Cheryl R. Gomez  
Notary Public

COPY

- DO NOT RECORD -

Case No. ABIOS.037A

Name of inventor: Puneet Suri

Inventor's signature

Puneet SuriDate: 11/25/03

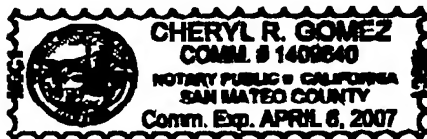
State of California )  
 ) ss.  
County of San Mateo )

COPY

- DO NOT RECORD -

On November 25, 2003 before me, Cheryl R. Gomez, Notary Public, personally appeared Puneet Suri, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Cheryl R. Gomez  
Notary Public

COPY

- DO NOT RECORD -

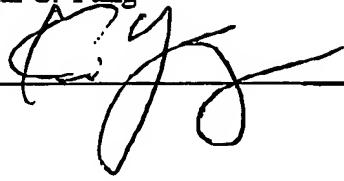
-4-

kep-2073

Case No. ABIOS.037A

Name of inventor: Kai C. Yung

Inventor's signature



Date:

11/21/03

State of California )

) ss.

County of San Mateo )

**COPY****- DO NOT RECORD -**

On November 21, 2003 before me, Mila T. Kasan, Notary Public, personally appeared Kai C. Yung, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

Mila T. Kasan

Notary Public

**COPY****- DO NOT RECORD -**

-5-

kep-2073

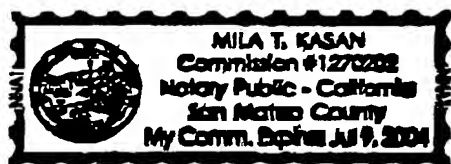
Case No. ABIOS.037A

Name of inventor: Sylvia H. Fang

Inventor's signature [Signature] Date: 11/21/2003State of California )  
 ) ss.  
County of San Mateo )**COPY**  
**- DO NOT RECORD -**

On November 21, 2003 before me, Mila T. Kasan, Notary Public,  
personally appeared Sylvia H. Fang, personally known to me (or proved to me on the basis of satisfactory  
evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me  
that ~~he~~/she/~~they~~ executed the same in ~~his~~/her/~~their~~ authorized capacity(ies), and that by ~~his~~/her/~~their~~  
signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed  
the instrument.

WITNESS my hand and official seal.

Mila T. Kasan  
Notary Public**COPY**  
**- DO NOT RECORD -**

-6-

kep-2073

Case N . ABIOS.037A

Name of inventor: Salil Kumar

Inventor's signature

S. Kumar

Date:

01/15/04

State of Texas )  
California ) ss.  
County of San Mateo )

COPY

- DO NOT RECORD -

On January 15, 2004 before me, Jonathan Riesenfeld, personally appeared Salil Kumar, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Jonathan Riesenfeld  
Notary Public

COPY

- DO NOT RECORD -

-7-

kep-2073



Case No. ABIOS.037A

Name of inventor: Benjamin B. Jones

Inventor's signature

Benjamin Jones

Date:

11/25/2003

COPY

- DO NOT RECORD -

State of California )

) ss.

County of San Mateo )

On November 25, 2003 before me, Cheryl R. Gomez, Notary Public, personally appeared Benjamin B. Jones, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Cheryl R. Gomez  
Notary Public

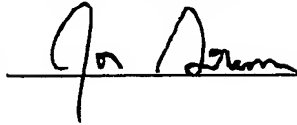
COPY

- DO NOT RECORD -

Case No. ABIOS.037A

Name of inventor: Jon M. Sorenson

Inventor's signature



Date:

11/12/03

State of California )

) ss.

County of San Mateo )

COPY

- DO NOT RECORD -

On November 12, 2003 before me, Cheryl R. Gomez, Notary Public, personally appeared Jon M. Sorenson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

  
Notary Public

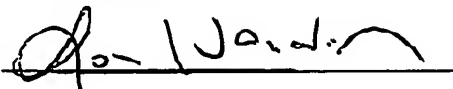
COPY

- DO NOT RECORD -

Case No. ABIOS.037A

Name of inventor: Yuandan Lou

Inventor's signature



Date:

11/13/03

State of California )

) ss.

County of San Mateo )

COPY

- DO NOT RECORD -

On November 13, 2003 before me, Cheryl R. Gomez, Notary Public, personally appeared Yuandan Lou, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Cheryl R. Gomez  
Notary Public

COPY

- DO NOT RECORD -

-10-

kep-2073

Case N . ABIOS.037A

Name of inventor: Catherine E. Frantz

Inventor's signature Catherine E. Frantz Date: 4/13/2003

State of California )  
 ) ss.  
County of San Mateo )

COPY

- DO NOT RECORD -

On November 13, 2003 before me, Cheryl R. Gomez, Notary Public, personally appeared Catherine E. Frantz, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Cheryl R. Gomez  
Notary Public

R:\DOCS\KEP\KEP-2073.DOC:lw  
102203

COPY

- DO NOT RECORD -

-11-

kep-2073